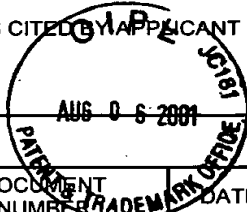


Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
C-A	AA	Re. 33,495	12-18-90	Kudzma et al.			
C-A	AB	2,683,714	07-13-54	Rolf Kallischnigg			
C-A	AC	2,683,715	07-13-54	Rolf Kallischnigg			
C-A	AD	3,531,487	09-29-70	Leo Berger et al.			
C-A	AE	3,678,057	07-18-72	Ebnother et al.			
C-A	AF	3,821,231	06-28-74	Lavrinovich et al.			
C-A	AG	3,978,222	08-31-76	Enders et al.			
C-A	AH	4,022,792	05-10-77	Albertson et al.			
C-A	AI	4,278,797	07-14-81	Zimmerman			
C-A	AJ	4,289,882	09-15-81	Rapoport et al.			
C-A	AK	4,372,975	02-08-83	Mouzin et al.			
C-A	AL	4,419,517	12-06-83	Brittelli et al.			
C-A	AM	4,678,791	07-07-87	Napier et al.			
C-A	AN	5,039,681	08-13-91	Sugimoto et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
C-A	AO	WO 93/15062	08-05-93	WIPO			
C-A	AP	JP 4-275288	09-30-92	JAPAN (w/English Abstract)			
C-A	AQ	WO 99/45925	09-16-99	WIPO			
C-A	AR	WO 98/28269	07-02-98	WIPO			
C-A	AS	WO 98/28270	07-02-98	WIPO			
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
C-A	AW	Thomas, J.B.; Mascarella, S.W.; Rothman, R.B.; Partilla, J.S.; Xu, H.; McCullough, K.B.; Dersch, C.M.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I. <u>INVESTIGATION OF THE N-SUBSTITUENT CONFORMATION GOVERNING POTENCY AND M RECEPTOR SUBTYPE-SELECTIVITY IN (+)-(3R,4R)-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINE OPIOID Antagonists</u> , <i>J. Med. Chem.</i> 1998, 41(11), 1980-1990.					
C-A	AX	Thomas, J.B.; Zheng, X.; Brieady, L.E.; Burgess, J.P.; Mascarella, S.W.; Fix, S.E.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I., <u>SYNTHESIS OF 9B-METHYL-2-ALKYL-7-OXO-5-ARYLMORPHANS</u> , <i>Tetrahedron Letters</i> , V. 39, 7001-7004 (1998).					
C-A	AY	Thomas, J.B.; Zheng, X.; Mascarella, S.W.; Rothman, R.B.; Dersch, C.M.; Partilla, J.S.; Flippen-Anderson, J.L.; George, C.F.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I., <u>N-SUBSTITUTED 9B-METHYL-5-3(HYDROXYPHENYL)MORPHANS ARE OPIOID RECEPTOR PURE ANTAGONISTS</u> , <i>J. Med. Chem.</i> 1998, 41(21), 4143-4149.					
C-A	AZ	Thomas, J.B.; Mascarella, S.W.; Burgess, J.P.; Xu, H.; McCullough, K.B.; Rothman, R.B.; Flippen-Anderson, J.L.; George, C.F.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I., <u>N-SUBSTITUTED OCTAHYDRO-4A-(3-HYDROXYPHENYL)-10A-METHYLBENZO[GI]ISOQUINOLINES ARE OPIOID RECEPTOR PURE ANTAGONISTS</u> , <i>Bioorganic &amp; Medicinal Chemistry Letters</i> 8 (1998) 3149-3152.					
Examiner <b>AWLAKH</b>					Date Considered <b>8-13-01</b>		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT  <div style="position: absolute; top: 50px; left: 200px; border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;">             AUG 06 2001              PATENT AND TRADEMARK OFFICE           </div>				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
CA	BA	5,091,393	02-25-92	Den Hartog et al.			
CA	BB	5,162,335	11-10-92	Vandewalle et al.			
CA	BC	5,637,701	06-10-97	Ashwell			
CA	BD	5,159,081	10-27-92	Cantrell et al.			
CA	BE	5,250,542	10-05-93	Cantrell et al.			
CA	BF	5,319,084	06-07-94	Cook et al.			
CA	BG	5,457,208	10-10-95	Portoghese et al.			
CA	BH	6,046,200	04-04-00	Tortella et al.			
CA	BI	4,816,586	03-28-89	Portoghese			
CA	BJ	5,854,249	12-29-98	Chang et al.			
CA	BK	5,935,953	08-10-99	Kuhar et al.			
CA	BL	5,141,959	08-25-92	Carroll et al.			
CA	BM	5,413,779	05-09-95	Kuhar et al.			
CA	BN	5,298,499	03-29-94	Carroll et al.			
CA	BO	5,128,118	07-07-92	Carroll et al.			
CA	BP	5,380,848	01-10-95	Kuhar et al.			
CA	BQ	5,496,953	03-05-96	Kuhar et al.			
CA	BR	5,831,095	11-03-98	Gonzalez et al.			
CA	BS	6,123,917	09-26-00	Carroll			
CA	BT	5,736,123	04-07-98	Carroll			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	BU						
	BV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
CA	BW	Thomas, J.B.; Gigstad, K.M.; Fix, S.E.; Burgess, J.P.; Cooper, J.B.; Mascarella, S.W.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I., <u>A STEREOSELECTIVE SYNTHETIC APPROACH TO N-ALKYL-4-B-METHYL-5-PHENYLMORPHANS</u> , <i>Tetrahedron Letters</i> , V. 40, 403-406 (1999).					
CA	BX	Thomas, J.B.; Fall, M.J.; Cooper, J.B.; Rothman, R.B.; Mascarella, S.W.; Xu, Heng; Partilla, J.S.; Dersch, C.M.; McCullough, K.B.; Cantrell, B.E.; Zimmerman, D.M.; Carroll, F.I.; <u>IDENTIFICATION OF AN OPIOID RECEPTOR SUBTYPE-SELECTIVE N-SUBSTITUENT FOR (+)-(3R,4R)-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINE</u> , <i>J. Med. Chem.</i> 1998, 41(26), 5188-5197.					
CA	BY	Thomas, J.B.; Atkinson, R.N.; Herault, X.M.; Rothman, R.B.; Mascarella, S.W.; Dersch, C.M.; Xu, H.; Burgess, J.P.; Carroll F.I., <u>(+)-4-[(N-ALLYL-CIS-3-METHYL-4-PIPERIDINYL)PHENYLAMINO]-N,N-DIETHYLBENZAMIDE DISPLAYS SELECTIVE BINDING FOR THE DELTA OPIOID RECEPTOR</u> , <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , 1999, 9, 3053-3056.					
CA	BZ	Thomas, J. B.; Atkinson, R. N.; Herault, X. M.; Rothman, R. B.; Mascarella, S. W.; Dersch, C. M.; Xu, H.; Horel, R. B.; Carroll, F. I., <u>OPTICALLY PURE (-)-4-[(N-ALLYL-3-METHYL-4-PIPERIDINYL)PHENYL-AMINO]-N,N-DIETHYLBENZAMIDE DISPLAYS SELECTIVE BINDING AND FULL AGONIST ACTIVITY FOR THE δ OPIOID RECEPTOR</u> , <i>Bioorg. Med. Chem. Lett.</i> 1999, 9, 3347-3350.					
Examiner AW LARKY				Date Considered 8-13-01			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
<div style="text-align: center;">  </div>							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						
	CL						
	CM						
	CN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	CO						
	CP						
	CQ						
	CR						
	CS						
	CT						
	CU						
	CV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
C-A	CW	Thomas, J.B.; Atkinson, R.N.; Rothman, R.B.; Burgess, J.P.; Mascarella, S.W.; Dersch, C.M.; Xu, H.; Carroll, F.I.; 4-8- [ALKYL-8-AZABICYCLO[3.2.1]OCTYL-3-YL]-3-ARYLANILINO]-N,N-DIETHYLBENZAMIDES: HIGH AFFINITY, SELECTIVE LIGANDS FOR THE DELTA OPIOID RECEPTOR ILLUSTRATE FACTORS IMPORTANT TO ANTAGONIST ACTIVITY, <i>Bioorganic &amp; Medicinal Chemistry Letters</i> 10 (2000) 1281-1284.					
C-A	CX	Partilla, J.S.; Carroll, F. I.; Thomas, J.B.; Rice, K.C.; Zimmerman, D.M.; Rothman, R.B., OPIOID PEPTIDE RECEPTOR STUDIES. 13. CHARACTERIZATION OF OPIOID ANTAGONISTS WITH THE [ <sup>3</sup> SIGTPy-S BINDING ASSAY, <i>Analgesia</i> , Vol. 4, pp. 27-32, 1999.					
C-A	CY	Chang, K. J.; Rigdon, G. C.; Howard, J. L.; McNutt, R. W. A NOVEL, POTENT AND SELECTIVE NONPEPTIDIC DELTA OPIOID RECEPTOR AGONIST BW373U86, <i>J. Pharm. Exp. Ther.</i> 1993, 267, 852-857.					
C-A	CZ	Calderon, S. N.; Rothman, R. B.; Porreca, F.; Flippen-Anderson, J. L.; McNutt, R. W.; Xu, H.; Smith, L. E.; Bilsky, E. J.; Davis, P.; Rice, K. C., PROBES FOR NARCOTIC RECEPTOR MEDIATED PHENOMENA. 19. <sup>1</sup> SYNTHESIS OF (+)-4- [(AR)-A-((2S,5R)-4-ALLYL-2,5-DIMETHYL-1-PIPERAZINYL)-3-METHOXYBENZYL]-N,N-DIETHYLBENZAMIDE (SNC 80): A HIGHLY SELECTIVE, NONPEPTIDE $\delta$ OPIOID RECEPTOR AGONIST, <i>J. Med. Chem.</i> 1994, 37, 2125-2128.					
Examiner AULAKH					Date Considered... 8-13-01		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

RECEIVED  
 AUG 06 2001  
 TECH CENTER 1600/2900

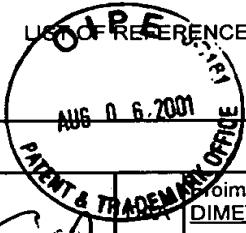
Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
CA	AAB	Dondio, G.; Ronzoni, S.; Petrillo, P., <u>NON-PEPTIDE <math>\delta</math> OPIOID AGONISTS AND ANTAGONISTS (PART II)</u> , <i>Exp. Opin. Patents</i> 1999, 9, 353.					
CA	AAB	Zhang, X.; Rice, K. C.; Calderon, S., N.; Kayakiri, H.; Smith, L.; Coop, Andrew; Jacobson, A. E.; Rothman, R. B.; Davis, P.; Dersch, C. M.; Porreca, F., <u>PROBES FOR NARCOTIC RECEPTOR MEDIATED PHENOMENA. 26.<sup>1-3</sup> SYNTHESIS AND BIOLOGICAL EVALUATION OF DIARYLMETHYLPIPERAZINES AND DIARYLMETHYLPIPERIDINES AS NOVEL, NONPETIDIC <math>\delta</math> OPIOID RECEPTOR LIGANDS</u> , <i>J. Med. Chem.</i> 1999, 42, 5455-5463.					
CA	AAC	Dondio, G.; Ronzoni, S.; Eggleston, D. S.; Artico, M.; Petrillo, P.; Petrone, G.; Visentin, L.; Farina, C.; Vecchiotti, V.; Clarke, G. D., <u>DISCOVERY OF A NOVEL CLASS OF SUBSTITUTED PYRROLOCTAHYDROISOQUINOLINES AS POTENT AND SELECTIVE <math>\delta</math> OPIOID AGONISTS. BASED ON AN EXTENSION OF THE MESSAGE-ADDRESS CONCEPT</u> , <i>J. Med. Chem.</i> 1997, 40, 3192-3198.					
CA	AAD	Su, Y.-F.; McNutt, R. W.; Chang, K.-J., <u>DELTA-OPIOID LIGANDS REVERSE ALFENTANIL-INDUCED RESPIRATORY DEPRESSION BUT NOT ANTINOCICEPTION</u> <sup>1</sup> <i>J. Pharmacol. Exp. Ther.</i> 1998, 287, No. 3, 815-823.					
CA	AAE	Mattson, R. J.; Pham, K. M.; Leuck, D. J.; Cowen, <u>AN IMPROVED METHOD FOR REDUCTIVE ALKYLATION OF AMINES USING TITANIUM (IV) ISOPROPOXIDE AND SODIUM CYANOBOROHYDRIDE</u> , <i>J. Org. Chem.</i> 1990, 55, 2552-2554.					
CA	AAF	Abdel-Magid, A. F.; Carson, K., G.; Harris, B. D.; Maryanoff, C. A.; Shah, R. D., <u>REDUCTIVE AMINATION OF ALDEHYDES AND KETONES WITH SODIUM TRIACETOXYBOROHYDRIDE. STUDIES ON DIRECT AND INDIRECT REDUCTIVE AMINATION PROCEDURES</u> , <i>J. Org. Chem.</i> 1996, 61, 3849-3862.					
CA	AAG	Hattori, T.; Satoh, T.; Miyano., <u>CONVENIENT SYNTHESIS OF TRIARYLAMINES VIA ESTER-MEDIATED NUCLEOPHILIC AROMATIC SUBSTITUTION</u> , <i>S. Synthesis</i> 1996, 514-518.					
CA	AAH	Aldrich, J. V., <u>ANALGESICS</u> , <i>Burger's Medicinal Chemistry and Drug Discovery</i> , M. E. Wolff, Ed.; John Wiley & Sons: New York, 1996; Vol. 3. 321-441.					
CA	AAI	Dhawan, B.N.; Cesselin, F.; Raghubir, R.; Reisine, T.; Bradley, P.B.; Portoghese, P.S.; Hamon, <u>INTERNATIONAL UNION OF PHARMACOLOGY. XII. CLASSIFICATION OF OPIOID RECEPTORS</u> , <i>Pharmacol. Rev.</i> 1996, 48, 567-592.					
CA	AAJ	Martin, W.R., <u>THE EVOLUTION OF CONCEPTS OF OPIOID RECEPTORS</u> , <i>The Opiate Receptors</i> , Pasternak, G.W. Eds.; Human Press Inc.; New Jersey, 1988, pp. 3-22.					
CA	AAK	Portoghese, P.S.; Nagase, H.; Lipkowski, A.W.; Larson, D.L.; Takemori, A.E., <u>BINALTORPHIMINE-RELATED BIVALENT LIGANDS AND THEIR <math>\kappa</math> OPIOID RECEPTOR ANTAGONIST SELECTIVITY</u> , [published erratum appears in <i>J. Med. Chem.</i> 1988 Oct., 31 (1): 2056]. <i>J. Med. Chem.</i> 1988, 31, 836-841.					
CA	AAL	Portoghese, P.S., <u>AN APPROACH TO THE DESIGN OF RECEPTOR-TYPE-SELECTIVE NON-PEPTIDE ANTAGONISTS OF PEPTIDERGIC RECEPTORS: <math>\delta</math> OPIOID ANTAGONISTS</u> , <i>J. Med. Chem.</i> 1991, VOL. 34, NO. 6, 1757-1762.					
CA	AAM	Zimmerman, D.M.; Nickander, R.; Horng, J.S.; Wong, D.T., <u>NEW STRUCTURAL CONCEPTS FOR NARCOTIC ANTAGONISTS DEFINED IN A 4-PHENYLPYPERIDINE SERIES</u> , <i>Nature</i> , 1978, 275, 332-334.					
CA	AAN	Zimmerman, D.M.; Leander, J.D.; <i>Perspective</i> , <u>SELECTIVE OPIOID RECEPTOR AGONISTS AND ANTAGONISTS: RESEARCH TOOLS AND POTENTIAL THERAPEUTIC AGENTS</u> , <i>J. Med. Chem.</i> , 1990, 33, 895-902.					
CA	AAO	Rothman, R.B.; Gorelick, D.A.; Eichmiller, P.R.; Hill, B.H.; Norbeck, J.; Liberto, J.G., <u>AN OPEN-LABEL STUDY OF A FUNCTIONAL OPIOID <math>\kappa</math> ANTAGONIST IN THE TREATMENT OF OPIOID DEPENDENCE</u> , <i>Problems of Drug Dependence, 1997: Proceedings of the 59<sup>th</sup> Annual Scientific Meeting, The College on Problems of Drug Dependence, Inc.</i> , Harris, L.S. Eds.; U. S. Department of Health and Human Services: Rockville, MD, 1997; Vol. 178, pp. 309.					
CA	AAP	Mitch, C.H.; Leander, J.D.; Mendelsohn, L.G.; Shaw, W.N.; Wong, D.T.; Cantrell, B.E.; Johnson, B.G.; Reel, J.K.; Snoddy, J.D.; Takemori, A.E.; Zimmerman, D.M., <u>3,4-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINES: OPIOID ANTAGONISTS WITH POTENT ANORECTANT ACTIVITY</u> , <i>J. Med. Chem.</i> , 1993, 36 (20), 2842-2850.					
CA	AAQ	Zimmerman, D.M.; Smits, S.E.; Hynes, M.D.; Cantrell, B.E.; Leander, J.D.; Mendelsohn, L.G.; Nickander, R.; <u>PICENADOL</u> , <i>Drug and Alcohol Dependence</i> , 1985, 14, 381-402.					
Examiner				Date Considered			
AULAKH				8-13-81			

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
 LIST OF REFERENCES CITED BY APPLICANT				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
C-A	BAA	Zimmerman, D.M.; Gidda, J.S.; Cantrell, B.E.; Schoepp, D.D.; Johnson, B.G.; Leander, J.D., <u>DISCOVERY OF A POTENT, PERIPHERALLY SELECTIVE TRANS-3,4-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINE OPIOID ANTAGONIST FOR THE TREATMENT OF GASTROINTESTINAL MOTILITY DISORDERS</u> , <i>J. Med. Chem.</i> , 1994, 37(15), 2262-2265.					
C-A	BAB	Evans, D.A.; Mitch, C.H.; Thomas, R.C.; Zimmerman, D.M.; Robey, R.L., <u>APPLICATION OF METALATED ENAMINES TO ALKALOID SYNTHESIS. AN EXPEDIENT APPROACH TO THE SYNTHESIS OF MORPHINE-BASED ANALGESICS</u> , <i>J. Am. Chem. Soc.</i> , 1980, 102, 5955-5956.					
C-A	BAC	Awaya, H.; May, E.L.; Aceto, M.D.; Merz, H.; Rogers, M.E.; Harris, L.S., <u>RACEMIC AND OPTICALLY ACTIVE 2,9-DIMETHYL-5-(m-HYDROXYPHENYL)MORPHANS AND PHARMACOLOGICAL COMPARISON WITH THE 9-DIMETHYL-HOMOLOGUES</u> , <i>J. Med. Chem.</i> , 1984, 27, 536-539.					
C-A	BAD	Van Bever, W.F.; Niemegeers, C.J.E.; Janssen, P.A.J.; <u>SYNTHETIC ANALGESICS. SYNTHESIS AND PHARMACOLOGY OF THE DIASTEREOISOMERS OF N-(3-METHYL-1-(2-PHENYLETHYL)-4-PIPERIDYL)-N-PHENYLPROPANAMIDE AND N-(3-METHYL-1-(1-METHYL-2-PHENYLETHYL)-4-PIPERIDYL)-N-PHENYLPROPANAMIDE</u> , <i>J. Med. Chem.</i> , 1974, 17(10), 1047-1051.					
C-A	BAE	Xu, H.; Kim, C.-H.; Zhu, Y.C.; Weber, R.J.; Jacobson, A.E.; Rice, K.C.; Rothman, R.B., <u>(+)-CIS-METHYLFENTANYL AND ITS ANALOGS BIND PSEUDOIRREVERSIBLY TO THE MU OPIOID BINDING SITE: EVIDENCE FOR PSEUDOALLOSTERIC MODULATION</u> , <i>Neuropharmacology</i> 1991, 30, 455-462.					
C-A	BAF	Xu, H.; Lu, Y.-F.; Partilla, J.S.; Brine, G.A.; Carroll, F.I.; Rice, K.C.; Lai, J.; Porreca, F.; Rothman, R.B., <u>OPIOID PEPTIDE RECEPTOR STUDIES. 6. THE 3-METHYLFENTANYL CONGENERS RTI-4614-4 AND ITS ENANTIOMERS DIFFER IN EFFICACY, POTENCY, AND INTRINSIC EFFICACY AS MEASURED BY STIMULATION OF [<sup>35</sup>S]GTP-γ-S BINDING USING CLONED M-OPIOID receptors</u> , <i>Anaesthesia</i> , 1997, Vol. 3, 35-42.					
C-A	BAG	Rothman, R.B.; Xu, H.; Seggel, M.; Jacobson, A.E.; Rice, K.C.; Brine, G.A.; Carroll, F.I.; <u>RTI-4614-4: AN ANALOG OF (+)-CIS-3-METHYLFENTANYL WITH A 27,000-FOLD BINDING SELECTIVITY FOR MU VERSUS DELTA OPIOID BINDING SITES</u> , <i>Life Sci.</i> , 1991, Vol. 48, PL111-PL-116.					
C-A	BAH	Rothman, R.B.; Bykov, V.; de Costa, B.R.; Jacobson, A.E.; Rice, K.C.; Brady, L.S., <u>INTERACTION OF ENDOGENOUS OPIOID PEPTIDES AND OTHER DRUGS WITH FOUR KAPPA OPIOID BINDING SITES IN GUINEA PIG BRAIN</u> , <i>Peptides</i> , 1990, Vol. 11, 311-331.					
C-A	BAI	Rodbard, D.; Lenox, R.H.; Wray, H.L.; Ramseth, D., <u>STATISTICAL CHARACTERIZATION OF THE RANDOM ERRORS IN THE RADIOIMMUNOASSAY DOSE-RESPONSE VARIABLE</u> , <i>Clin. Chem.</i> , 1976, Vol. 22, 350-58.					
C-A	BAJ	Takemori, A.E.; Begonia, Y.H.; Naeseth, J.S.; Portoghese, P.S., <u>NOR-BINALTORPHIMINE. A HIGHLY SELECTIVE KAPPA-OPIOID ANTAGONIST IN ANALGESIC AND RECEPTOR BINDING ASSAYS</u> , <i>J. Pharm. Exp. Ther.</i> , 246 (1), 255-258.					
C-A	BAK	Zimmerman, D.M.; Leander, J.D.; Cantrell, B.E.; Reel, J.K.; Snoddy, J.; Mendelsohn, L.G.; Johnson, B.G.; Mitch, C.H.; <u>STRUCTURE-ACTIVITY RELATIONSHIPS OF THE TRANS-3,4-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINE ANTAGONISTS FOR μ AND κ OPIOID RECEPTORS</u> , <i>J. Med. Chem.</i> , 1993, 36(2), 2833-2841.					
C-A	BAL	Casy, A.F.; Dewar, G.H.; Al-Deeb, O.A.A., <u>STEREOCHEMICAL INFLUENCES UPON THE OPIOID LIGAND ACTIVITIES OF 4-ALKYL-4-ARYLPIPERIDINE DERIVATIVES</u> , <i>Chirality</i> 1989, 1: 202-208.					
C-A	BAM	Casy, A.F.; Dewar, G.H.; Al-Deeb, O.A.A., <u>STEREOCHEMICAL STUDIES OF THE 4-ALKYL-4-ARYLPIPERIDINE CLASS OF OPIOID LIGAND</u> , <i>Magn. Reson. Chem.</i> , 1989, 27, 964-972.					
C-A	BAN	Zimmerman, D.M.; Cantrell, B.E.; Reel, J.K.; Hemrick-Luecke, S.K.; Fuller, R.W., <u>CHARACTERIZATION OF THE NEUROTOXIC POTENTIAL OF M-METHOXY-MPTP and the use of its N-ETHYL ANALOGUE AS A MEANS OF AVOIDING EXPOSURE TO A POSSIBLE PARKINSONISM-CAUSING AGENT</u> , <i>J. Med. Chem.</i> , 1986, 29:1517-1520.					
C-A	BAO	Fries, D.S.; de Vries, J.; Hazelhoff, B.; Horn, A.S.; <u>SYNTHESIS AND TOXICITY TOWARD NIGROSTRIATAL DOPAMINE NEURONS OF 1-METHYL-4-PHENYL-1,2,3,6-TERTRAHYDROPYRIDINE (MPTP) ANALOGUES</u> , <i>J. Med. Chem.</i> , 1986, 29:424.					
C-A	BAP	Barnett, C.J.; Copley-Merriman, C.R.; Maki, J., <u>SYNTHESIS OF PICENADOL VIA METALLOENAMINE ALKYLATION METHODOLOGY</u> , <i>J. Org. Chem.</i> , 1989; 54:4795-4800.					
C-A	BAQ	Werner, J.A.; Cerbone, L.R.; Frank, S.A.; Ward, J.A.; Labib, P.; Sharp-Taylor, R.W.; Ryan, C.W., <u>SYNTHESIS OF TRANS 3,4-DIMETHYL-4-(3-HYDROXYPHENYL)PIPERIDINE OPIOID ANTAGONISTS: APPLICATION OF THE C/S- THERMAL ELIMINATION OF CARBONATES TO ALKALOID SYNTHESIS</u> , <i>J. Org. Chem.</i> , 1996, 61: 587-597.					
Examiner				AULAKH		Date Considered 8.13.01	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
C-A		CAA	Gupta, P.; Nishida, N.; Ikeda, I.; Okahara, M.; 2-(CHLOROMETHYL)-3,5-DIOXAHEX-1-ENE, AN EFFECTIVE ACETONYLATING REAGENT, <i>J. Org. Chem.</i> , 1987, 52: 3192-3196.				
C-A		CAB	Bosch, J.; Bonjoch, J., SYNTHESIS OF 2-AZABICYCLO[3.3.1]NONANES, <i>Heterocycles</i> , 1980, 14, 505.				
C-A		CAC	Rice, K.C., A RAPID, HIGH-YIELD CONVERSION OF CODEINE TO MORPHINE, <i>J. Med. Chem.</i> , 1977, 20, 164-165.				
C-A		CAD	Bertha, C.M.; Flippen-Anderson, J.L.; Rothman, R.B.; Porreca, F.; Davis, P.; Xu, H.; Becketts, K.; Cha, X.-Y.; Rice, K.C., PROBES FOR NARCOTIC RECEPTOR-MEDIATED PHENOMENA. 20. ALTERATION OF OPIOID RECEPTOR SUBTYPE SELECTIVITY FOR THE 5-(3-HYDROXYPHENYL)MORPHANS BY APPLICATION OF THE MESSAGE - ADDRESS CONCEPT: PREPARATION OF Δ-OPIOID RECEPTOR LIGANDS, <i>J. Med. Chem.</i> , 1995, 38, 1523-1537.				
C-A		CAE	Bertha, C.M.; Ellis, M.; Flippen-Anderson, J.L.; Porreca, F.; Rothman, R.B.; Davis, P.; Xu, H.; Becketts, K.; Rice, K.C., PROBES FOR NARCOTIC RECEPTOR-MEDIATED PHENOMENA. 21. NOVEL DERIVATIVES OF 3-(1,2,3,4,5,11-HEXAHYDRO-3-METHYL-2,6-METHANO-6H-AZOCINO[4,5-b-INDOL-6-YL)-PHENOLS WITH IMPROVED δ OPIOID RECEPTOR SELECTIVITY, <i>J. Med. Chem.</i> , 1996, 39, 2081-2086.				
C-A		CAF	Kreek, M.J., OPIATES, OPIOIDS AND ADDICTION, <i>Molecular Psychiatry</i> (1996), 1: 232-254.				
C-A		CAG	Bonjoch, J., STEREOCONTROLLED SYNTHESIS OF 4- AND 9-ETHYL-2-AZABICYCLO[3.3.1]NONAN-7-ONES VIA 2-CYANOPIPERIDINES, <i>TETRAHEDRON LETTERS</i> , VOL. 30, NO. 41, PP. 5655-5658, 1989.				
C-A		CAH	Kirk-Othmer Encyclopedia of Chemical Technology, Volume 17, Fourth Edition, 1996, pp. 858-881.				
C-A		CAI	Zadina, J.E.; Hackler, L.; Ge, L.; Kastin, A.J., A POTENT AND SELECTIVE ENDOGENOUS AGONIST FOR THE M-OPIATE RECEPTOR, <i>Nature</i> , 1997, 386, 499-502.				
C-A		CAJ	Portoghese, et al., ADDITIONS AND CORRECTIONS, <i>J. Med. Chem.</i> , 1988, 31(10), 2056.				
C-A		CAK	Michne, W.F.; Lewis, T.R.; Michalec, S.J.; Pierson, A.K.; Gillan, M.G.C.; Paterson, S.J.; Robson, L.E.; Kosterlitz, H.W., NOVEL DEVELOPMENTS OF N-METHYLBENZOMORPHAN NARCOTIC ANTAGONISTS, <i>Elsevier Amsterdam</i> , 1978, pp. 197-206.				
C-A		CAL	Wood, P.L.; Piplapil, C.; Thakur, M.; Richard, J.W., WIN 44,441: A STEREOSPECIFIC AND LONG-ACTING NARCOTIC ANTAGONIST, <i>Pharmaceutical Research</i> , 1984, 46-48.				
C-A		CAM	Zimmerman, D.M.; Smits, S.; Nickander, R., FURTHER INVESTIGATION OF NOVEL 3-METHYL-4-PHENYLPYPERIDINE NARCOTIC ANTAGONISTS, <i>In Proceedings of the 40th Annual Scientific Meeting of the Committee on Problems of Drug Dependence</i> , 1978, pp. 237-247.				
C-A		CAN	Fries, D.S.; Portoghese, P.S., STEREOCHEMICAL STUDIES ON MEDICINAL AGENTS. 20. ABSOLUTE CONFIGURATION AND ANALGETIC POTENCY OF Δ-PROMEDOL ENANTIOMERS. THE ROLE OF THE C-4 CHIRAL CENTER IN CONFERRING STEREOSELECTIVITY IN AXIAL- AND EQUATORIAL-PHENYL PRODINE CONGENERS, <i>J. Med. Chem.</i> , 1976, 19(9), 1155-1158.				
C-A		CAO	Kamei, J.; Saitoh, A.; Ohsawa, M.; Suzuki, T.; Misawa, M.; Nagase, H.; Kasuya, Y., ANTINOCICEPTIVE EFFECT OF THE NON-PEPTIDIC Δ-OPIOID RECEPTOR AGONIST TAN-67 IN DIABETIC MICE, <i>European Journal of Pharmacology</i> , 1995, 276, 131-135.				
C-A		CAP	Dhawan, B.N.; Cesselin, F.; Raghubir, R.; Reisine, T.; Bradley, P.B.; Portoghese, P.S.; Hamon, INTERNATIONAL UNION OF PHARMACOLOGY. XII. CLASSIFICATION OF OPIOID RECEPTORS, <i>Pharmacol. Rev.</i> 1996, 48, 567-592.				
Examiner AULAKH				Date Considered 8-12-01			

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 196838US0PCT		SERIAL NO. 09/623,872	
LIST OF REFERENCES CITED BY APPLICANT 				APPLICANT F. Ivy CARROLL et al.			
				FILING DATE NOVEMBER 27, 2000		GROUP 1625	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
C-A		Froimowitz et al., <u>ABSOLUTE CONFIGURATION AND CONFORMATION OF THE PURE OPIOID ANTAGONIST (+)-2,9α-DIMETHYL-5-(m-HYDROXYPHENYL)MORPHAN</u> , <i>Chirality</i> , Volume 4, 1992, 377-383.					
C-A	DAB	Di Meglio et al., <u>CONFORMATIONAL ANALYSIS OF THE OPIOID PHENYLMORPHAN AND ITS USE 9α-METHYL ANALOGUE IN SOLUTION USING HIGH-RESOLUTION NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY</u> , <i>Pharmaceutical Research</i> , 1993, Vol. 10, No. 8, 1200-1205.					
C-A	DAC	Froimowitz et al., <u>PHENYLMORPHANS AND ANALOGUES: OPIOID RECEPTOR SUBTYPE SELECTIVITY AND EFFECT OF CONFORMATION ON ACTIVITY</u> , <i>J. Med. Chem.</i> , 1992, 35, 1521-1525.					
C-A	DAD	Thomas et al., <u>FACTORS INFLUENCING AGONIST POTENCY AND SELECTIVITY FOR THE OPIOID A RECEPTOR ARE REVEALED IN STRUCTURE-ACTIVITY RELATIONSHIP STUDIES OF THE 4-[(N-SUBSTITUTED-4-PIPERIDINYL)ARYLAMINO]-N,N-DIETHYLBENZAMIDES</u> , <i>J. Med. Chem.</i> , 44(6), 2001, pp.972-987.					
C-A	DAE	Robert E. Boyd, et al., <u>SYNTHESIS AND BINDING AFFINITIES OF 4-DIARYLAMINOTROPANES. A NEW CLASS OF DELTA OPIOID AGONISTS</u> , <i>Bioorganic &amp; Medicinal Chemistry Letters</i> , 10 (2000) 1109-1111.					
	DAF						
	DAG						
	DAH						
	DAI						
	DAJ						
	DAK						
	DAL						
	DAM						
	DAN						
	DAO						
	DAP						
Examiner AWLAKH				Date Considered 8-13-01			

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.